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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,440	10/786,440 02/25/2004		Eugene Y. Chen	5298-13201 SMS02012	4886
35617	7590	02/02/2006		EXAMINER	
DAFFER	MCDAN!	EIL LLP	NGO, NGAN V		
P.O. BOX 684908 AUSTIN, TX 78768				ART UNIT	PAPER NUMBER
				2818	
			DATE MAILED: 02/02/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.



	Application No.	Applicant(s)					
	10/786,440	CHEN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Ngan Ngo	2818					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 19 C	October 2005.						
	s action is non-final.						
3) Since this application is in condition for allowa	nce except for formal matters, pro	secution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4)  Claim(s) 1-14 and 21-26 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) 1-8 and 23-26 is/are allowed.  6)  Claim(s) 9,21 and 22 is/are rejected.  7)  Claim(s) 10-14 is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the E drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date	4) Notice of Informal Po						

Application/Control Number: 10/786,440

Art Unit: 2818

The amendment filed October 19, 2005 has been entered and made of record as paper no. 1005.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 9, 21 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Abraham et al (US 2001/0040778 A1, cited by Applicants).

Abraham discloses a method of forming a magnetic memory cell junction comprising the step of patterning a mask layer above a stack of layers and alternately etching and implanting dopants into exposed portions of the stack of layers. Note figures 10-13 of Abraham.

In re claim 21, figure 10 of Abraham teaches the step of etching of the stack of the layers.

In re claim 22, figure 13 of Abraham teaches the step of implanting dopants into exposed portions of the stack of layers.

Claims 1-8 and 23-26 are allowed.

Claims 10-14 stand objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicant's arguments filed October 19, 2005 have been fully considered but they are not persuasive.

Art Unit: 2818

Figure 10 of Abraham teach the step of etching using mask 200 and figure 13a teach the step of implanting ions using mask 500 and therefore, the steps of etching and implanting ions are clearly taught by Abraham. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., "a stack of layers is patterned in alignment with a masking layer and an insulating layer is deposited thereafter") are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Application/Control Number: 10/786,440

Art Unit: 2818

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ngan Van Ngo Primary Examiner

Ngan Ngo

January 28, 2006